National Snow and Ice Data Center

Supporting Cryospheric Research Since 1976

NSIDC and CLASS

Suggestions for CLASS

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NSIDC DAAC

Why is NSIDC Interested in CLASS?

- The NSIDC DAAC holds EOS data that may go into CLASS
- NSIDC is likely to use data from CLASS to extend our snow and ice product lines into the future
- NSIDC and our user community could be a model for CLASS-user interactions

Interface Requirements

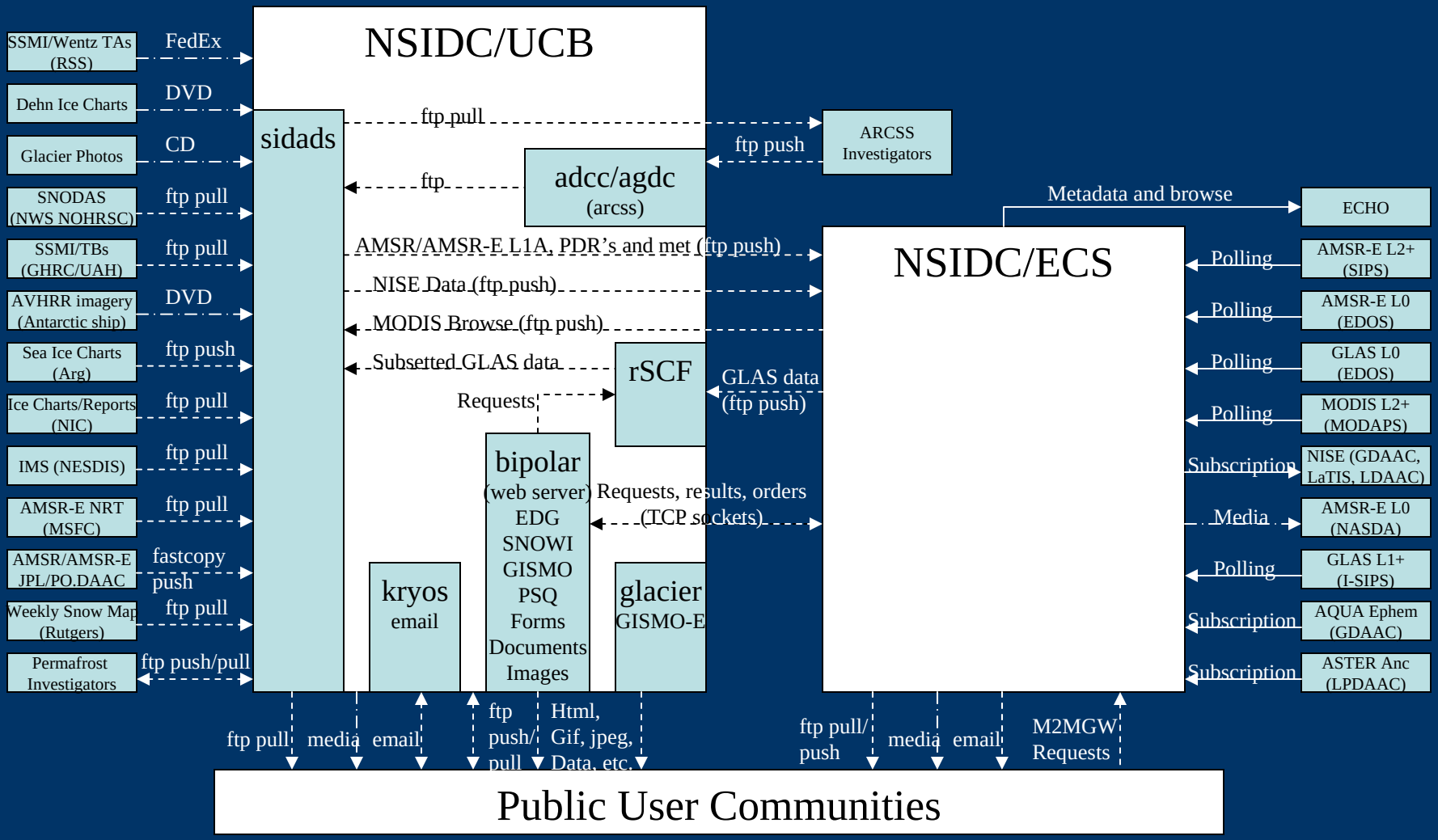
For ingest into CLASS as well as production access we need

- Stable, scriptable interfaces

with The ability

- to determine what is new since the last time we looked and to optionally retrieve it
- to retrieve data in temporal sequence
- to simultaneously search and access data from multiple sensors
- to acquire geographic and temporal subsets (e.g. diurnal, seasonal, annual)

NSIDC Interfaces

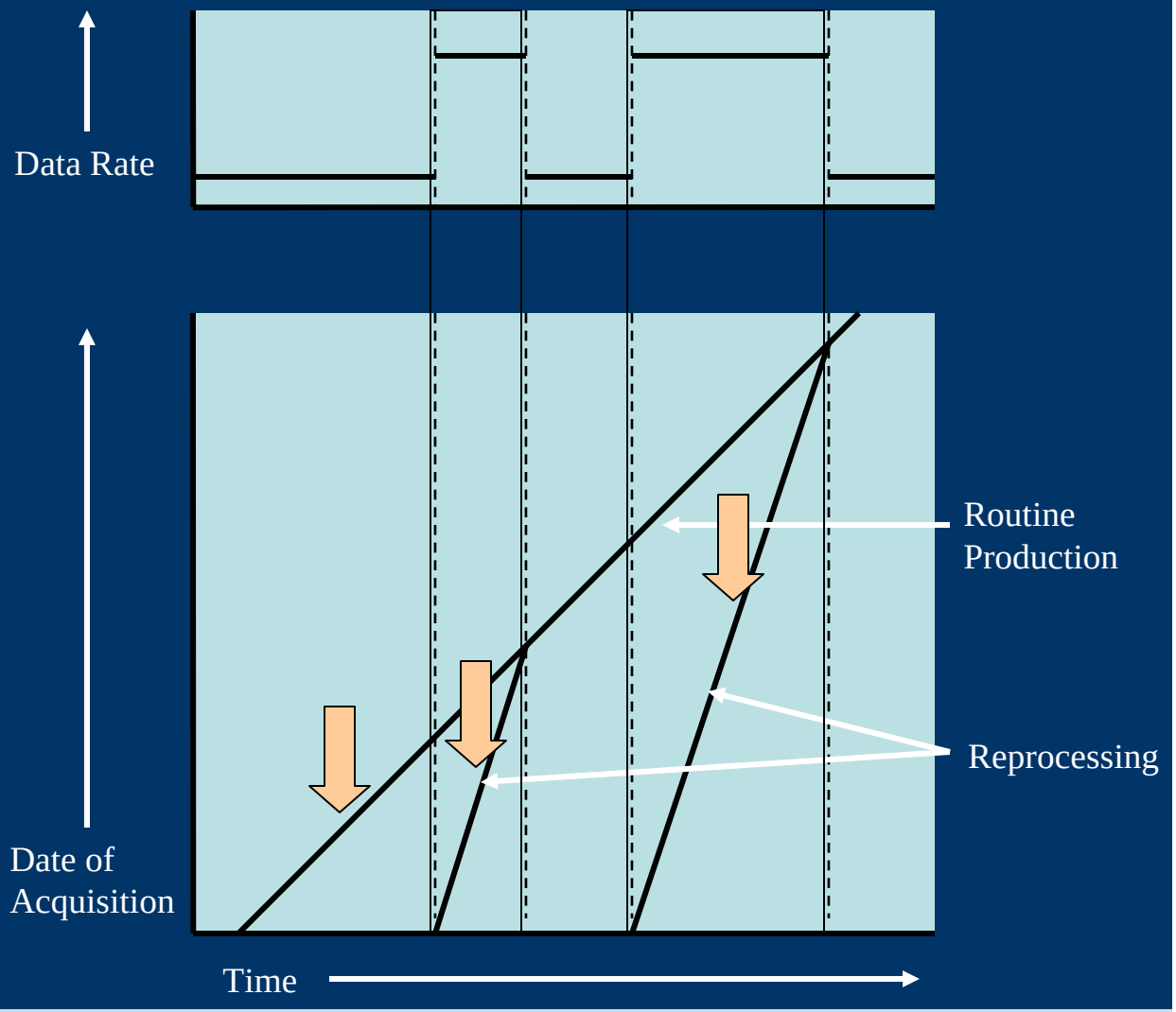


Processing and Reprocessing Scenarios

Multiple periodic accesses to every granule

Peak access demand during reprocessing

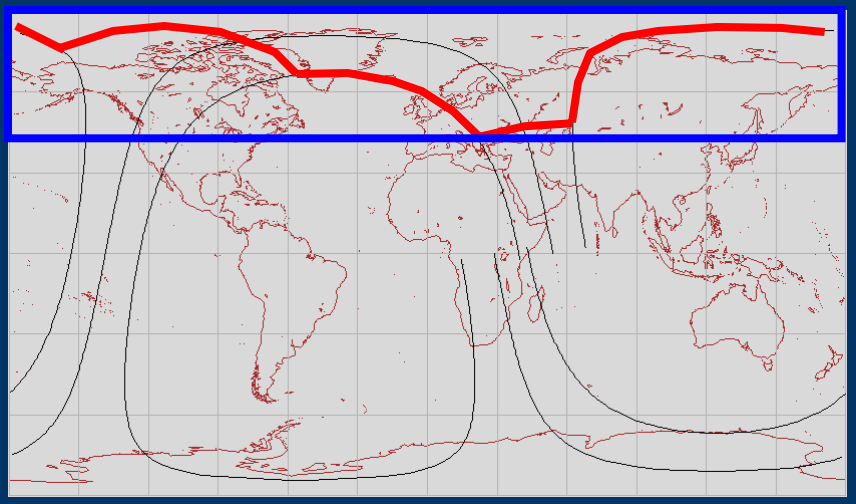
Needs stable, documented, automated access strategy

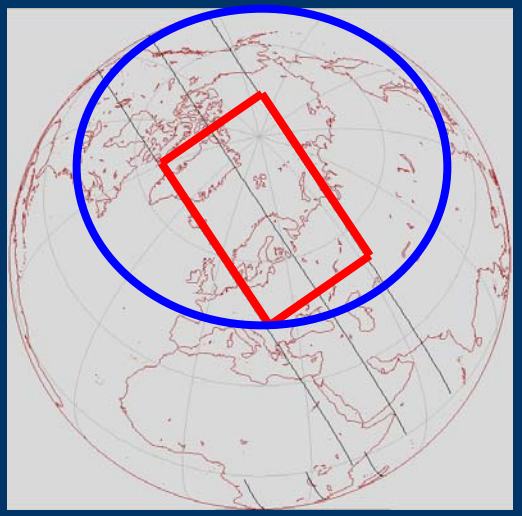


End User Needs

- Simple search and access capabilities that work everywhere including the poles!
- Use metadata model and spatial search algorithm that is applicable to the spatial data type
- One size does not fit all

http://geospatialmethods.org/search





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